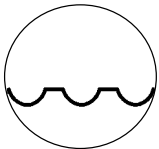




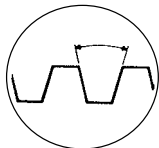
# North American Tool

"In The Pursuit Of Perfection"

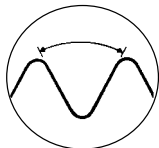
## SPECIAL THREAD FORMS



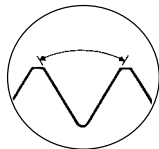
BALL SCREW  
(GOTHIC ARCH)



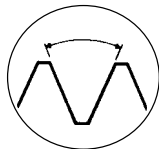
ACME, STUB ACME



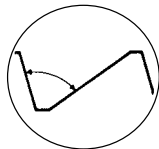
FULL FORM RADIUS



RADIUS ROOT



SPECIAL ANGLES



BUTTRESS



VARYING CHAMFER  
ANGLES

North American Tool Corporation continues a commitment to quality and service by offering you a complete line of blueprint special taps - *shipped fast!* Our experienced team of cutting tool specialists will provide design expertise or work from your blueprint specifications to manufacture reliable special taps that meet your exact specifications, in as few as seven days, depending on the specialty of design and quantity ordered.

Our bar steel is available in a broad range of grades and diameters, and is made of top quality High Speed Steel, or material specified to best fit the threading application at hand. Our dedication to quality, rapid shipments and customer service has made North American Tool Corporation the most respected producer of special taps, dies and gages. The majority of special taps can be produced from a standard design hardened blank.

There are, however, many tools which have *special features* requiring they be custom manufactured from bar steel, such as...

- **Special Overall Lengths** either in shank, thread length, or piloted;
- **Special Shank and Drive dimensions:** Morse taper shanks, threaded, whistle-notch;
- **Special Flute Design** - straight or spiral;
- **Holes** - drilled, reamed, ground, cross, coolant-hole, through-hole;
- **Flats** - notches, keyways, necks;
- **Tapered thread**, including pipe taps;
- **Tandem style**
- **Combination tools**, to eliminate secondary or finishing operations;
- **Reamer point / Drill point / Core Drill**
- **Special Forms & Angles** - Acme buttress, square thread, full form, modified Whitworth form, custom thread form;
- **Special steels** available, in combination with numerous surface treatment possibilities, depending on the application at hand.



**Turnaround  
In As Few As  
7 Days!**



## North American Tool

"In The Pursuit Of Perfection"

215 Elmwood Ave. • P.O. Box 116 • South Beloit, IL 61080-0116  
Phone: 800.USA.TAPS (872.8277) • 815.389.2300  
Fax: 800.USA.FAXX (872.3299) • 815.389.2952  
E-Mail: sales@natool.com • Web: www.natool.com

ISO 9001:2008 Registered

North American Tool Corporation is a Global Specialty Solutions, Inc. company.

High Performance, Blueprint Special Taps



**North American Tool**

*"In The Pursuit Of Perfection"*

**SPECIAL TAPS  
TEST APPLICATION DATA SHEET**

*Be sure to include pertinent comments, blueprints or sketches.  
Use back side of this form if necessary.*

NATool Rep.: \_\_\_\_\_  
Customer Name: \_\_\_\_\_ Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
City/State/Zip: \_\_\_\_\_ Distributor: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_  
Contact: \_\_\_\_\_ Title: \_\_\_\_\_ Extn.: \_\_\_\_\_

**GENERAL INFORMATION**

(Application) B/P or Job # \_\_\_\_\_  
Tool Description \_\_\_\_\_  
Tap Style \_\_\_\_\_ Class of Fit \_\_\_\_\_ H-Limit \_\_\_\_\_ Thread Form \_\_\_\_\_  
Surface Treatment \_\_\_\_\_ Cutting/Forming \_\_\_\_\_ Blind/Thru Hole \_\_\_\_\_  
Hole Depth \_\_\_\_\_ Thread Length \_\_\_\_\_ Tap Drill Size \_\_\_\_\_ % of Thread \_\_\_\_\_  
Machine Tool \_\_\_\_\_ Condition \_\_\_\_\_ Horiz./Vert. \_\_\_\_\_  
Coolant \_\_\_\_\_ Mix \_\_\_\_\_ Speed (SFM) \_\_\_\_\_ # Taps/Set-Up \_\_\_\_\_  
Holder: Tension/Compression \_\_\_\_\_ Rigid Collet \_\_\_\_\_ Floating \_\_\_\_\_  
Material \_\_\_\_\_ Hardness \_\_\_\_\_ Characteristics \_\_\_\_\_  
Feed:  CNC control  NC control  Synchronous Spindle  Manual  
 Cam Followed  Lead Screw  
Unique job details: \_\_\_\_\_

**COMPETITIVE BRAND:**

Name \_\_\_\_\_ Tool Description \_\_\_\_\_  
Current Performance \_\_\_\_\_ # Holes/Tap \_\_\_\_\_  
Competitive Price (\$) \_\_\_\_\_ Est. Annual Usage \_\_\_\_\_  
Comments \_\_\_\_\_

**RECOMMENDATIONS:**

Tap Style \_\_\_\_\_ H-Limit \_\_\_\_\_ Surface Treatment \_\_\_\_\_ Speed (SFM) \_\_\_\_\_  
Tap/Drill Size \_\_\_\_\_ Coolant \_\_\_\_\_ Comments \_\_\_\_\_

**TEST EVALUATION**

NATool P.O. # \_\_\_\_\_ Dist. P.O. # \_\_\_\_\_ # Holes Tapped \_\_\_\_\_  
Quality of Thread \_\_\_\_\_ Gaging O.K. \_\_\_\_\_ On-Hand for Test \_\_\_\_\_  
Comments \_\_\_\_\_



**North American Tool**

*"In The Pursuit Of Perfection"*

Fill-out and fax to: 800-872-3299 or 815-389-2952; or send to:  
North American Tool Corporation • 215 Elmwood Ave. • South Beloit, IL 61080  
E-Mail: sales@natool.com

*North American Tool is a Global Specialty Solutions Inc. company.*